

## M 5.6, 5 km ESE of Vogar, Iceland

Origin Time: 2021-02-24 10:05:59 UTC (Wed 10:05:59 local)  
Location: 63.9602° N 22.2736° W Depth: 10.0 km

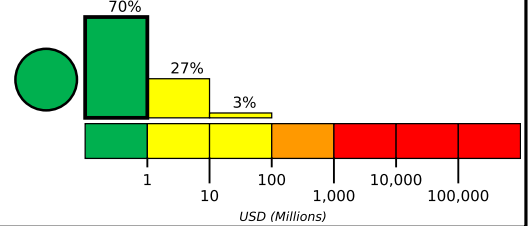
Created: 5 hours, 4 minutes after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

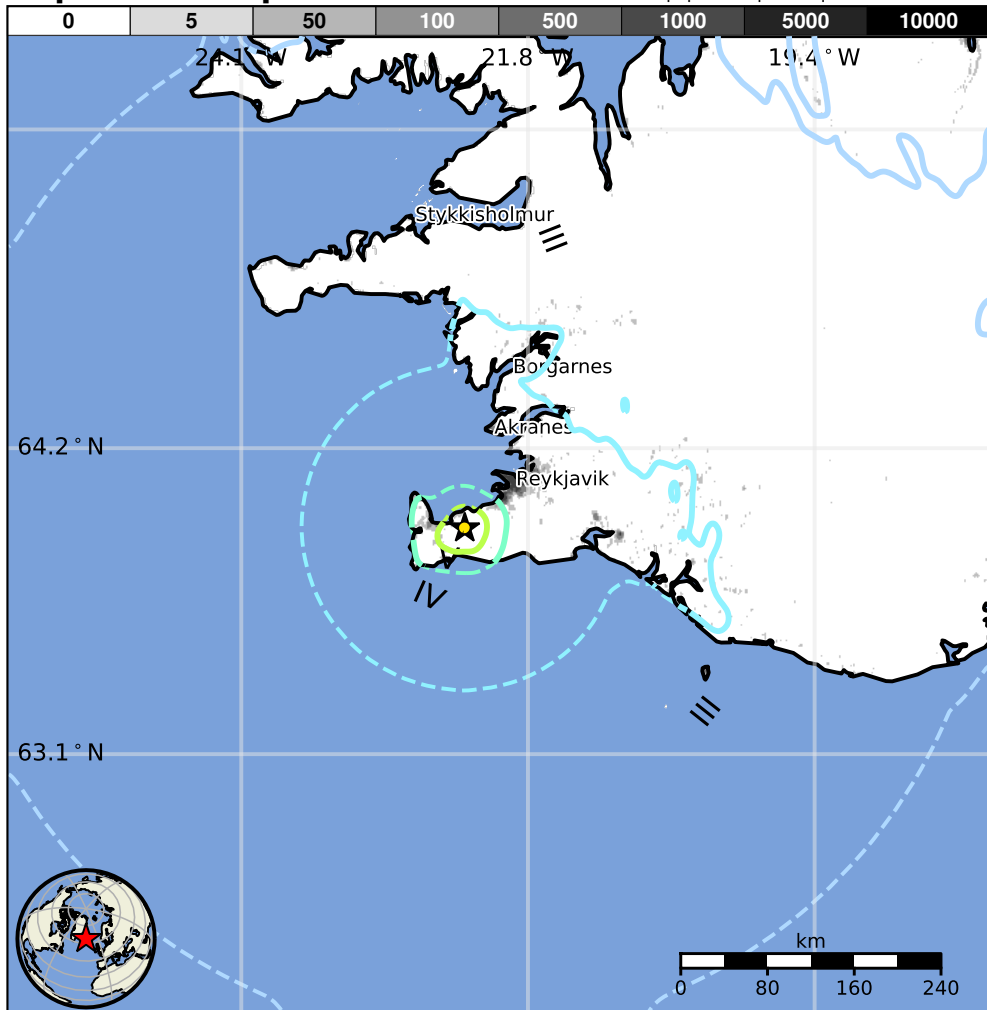


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	61k	219k	35k	2k	1k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building type is unreinforced brick with concrete floor construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-06-17	88	6.5	VII(2k)	0
2000-06-21	75	6.4	VII(5k)	—
1976-01-13	367	6.3	VI(1k)	1

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Vogar	1k
V	Keflavik	<1k
V	Reykjanesbaer	2k
V	Grindavik	3k
V	Gardur	1k
V	Alftanes	2k
IV	Reykjavik	119k
IV	Selfoss	7k
IV	Borgarnes	2k
IV	Kopavogur	32k
II	Akureyri	18k

bold cities appear on map.

(k= x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/us6000dkmk#pager>

Event ID: us6000dkmk